

U.S. Application Serial No. 10/693,329
Attorney Docket: 46675-0005
Reply to Office Action of May 12, 2006

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (CANCELED)

3. (CURRENTLY AMENDED) The system of claim [[1]] 12 further comprising a housing for positioning said plurality of light sources to direct light toward the means for collecting light.

4. (CURRENTLY AMENDED) The system of claim [[1]] 12 wherein said plurality of light sources comprise a panel of LEDs.

5. (CANCELED)

6. (CURRENTLY AMENDED) The system of claim [[1]] 12 wherein said plurality of light sources comprise a panel of LEDs and a plurality of parabolic concentrators positioned to direct light from the LEDs towards the means for collecting light.

7. (CURRENTLY AMENDED) The system of claim [[1]] 12 wherein the light sources comprise a plurality of LEDs each being capable of providing between about 1-5 watts at 1 amp.

8. (CURRENTLY AMENDED) The system of claim [[1]] 12 wherein the plurality of light sources comprise a plurality of LEDs each being capable of providing at least 80 lumens at 1 amp and 3 watts.

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9. (CANCELED)

10. (CURRENTLY AMENDED) The system of claim [[1]] 12 wherein surfaces of the means for collecting light have a silicon oxide thin film.

11. (CANCELED)

12. (CURRENTLY AMENDED) A light collection ~~The system of claim 1~~ comprising:
means for collecting light, said means having a plurality of surfaces; and
a plurality of light sources being capable of producing output light and positioned to direct said
output light toward said means for collecting light;
wherein said surfaces direct said output light from said light sources in a direction towards a
target area, wherein one of said plurality of light sources directs output light through a top portion of the
means for collecting light, and wherein said means for collecting light and said plurality of surfaces
include optical coatings to create a consistent set of indices of refraction.

13. (CURRENTLY AMENDED) The system of claim [[1]] 12 further comprising an image panel, wherein said means for collecting light is used to direct the light toward the image panel.

Claims 14-16 (CANCELED)

17. (CURRENTLY AMENDED) The system of claim [[1]] 12 wherein:
a first of said surfaces reflects light from a first of said light sources;
a second of said surfaces reflects light from a second of said light sources;

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a third of said surfaces reflects light from a third of said light sources; and
a fourth of said surfaces reflects light from a fourth of said light sources.

Claims 18-38 (CANCELED)

39. (CURRENTLY AMENDED) The system of claim [[2]] 43 further comprising a housing for positioning said light sources to direct light toward the means for collecting light.

40. (CURRENTLY AMENDED) The system of claim [[2]] 43 wherein said light sources comprise a panel of LEDs.

41. (CURRENTLY AMENDED) The system of claim [[2]] 43 wherein said light sources comprise a panel of LEDs and a plurality of parabolic concentrators positioned to direct light from the LEDs towards the means for collecting light.

42. (CURRENTLY AMENDED) The system of claim [[2]] 43 wherein surfaces of the means for collecting light have a silicon oxide thin film.

43. (CURRENTLY AMENDED) A The light collection system, comprising: of claim 2 means for collecting light, said means having a plurality of surfaces, and a plurality of light sources positioned to direct light toward said means for collecting light, wherein said surfaces direct light from said light sources in a direction towards a target area and wherein a light source directs light through the means for collecting light, said light exiting through a top portion of the means for collecting light having a truncated pyramid shape, wherein said means for

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collecting light and said plurality of surfaces include optical coatings to create a consistent set of indices of refraction.

44. (CURRENTLY AMENDED) ~~A The light collection system of claim 2 further comprising:~~

means for collecting light, said means having a plurality of surfaces,

a plurality of light sources positioned to direct light toward said means for collecting light,

wherein said surfaces direct light from said light sources in a direction towards a target area and

wherein a light source directs light through the means for collecting light, said light exiting through a top portion of the means for collecting light having a truncated pyramid shape, and

an image panel, wherein said means for collecting light is used to direct light toward the image panel.

45. (CURRENTLY AMENDED) ~~A The light collection system, comprising: of claim 2~~

means for collecting light, said means having a plurality of surfaces, and

a plurality of light sources positioned to direct light toward said means for collecting light,

wherein said surfaces direct light from said light sources in a direction towards a target area and

wherein a light source directs light through the means for collecting light, said light exiting through a top portion of the means for collecting light having a truncated pyramid shape, and

wherein:

a first of said surfaces reflects light from a first of said light sources,

a second of said surfaces reflects light from a second of said light sources,

a third of said surfaces reflects light from a third of said light sources, and

a fourth of said surfaces reflects light from a fourth of said light sources.

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46. (CANCELED)

47. (CURRENTLY AMENDED) The system of claim [[46]] 51 further comprising a housing for positioning said plurality of light sources.

48. (CURRENTLY AMENDED) The system of claim [[46]] 51 wherein said plurality of light sources comprise a panel of LEDs.

49. (CURRENTLY AMENDED) The system of claim [[46]] 51 wherein said plurality of light sources comprise a panel of LEDs and a plurality of parabolic concentrators positioned to direct light from the LEDs towards the light collector.

50. (CURRENTLY AMENDED) The system of claim [[46]] 51 wherein surfaces of said light collector have a silicon oxide thin film.

51. (CURRENTLY AMENDED) A The light collection system of claim 46 comprising:
a light collector, said light collector having a plurality of surfaces and a truncated pyramid shape,
and
a plurality of light sources positioned to direct light toward said light collector, wherein said
plurality of surfaces direct light from said plurality of light sources in a direction towards a target area and
one of said plurality of light sources directs light through the light collector, said light exiting through a
top portion of the light collector, and wherein said light collector and said plurality of surfaces include optical coatings to create a consistent set of indices of refraction.

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52. (CURRENTLY AMENDED) A The light collection system of claim 46 further comprising:

a light collector, said light collector having a plurality of surfaces and a truncated pyramid shape,
a plurality of light sources positioned to direct light toward said light collector, wherein said
plurality of surfaces direct light from said plurality of light sources in a direction towards a target area and
one of said plurality of light sources directs light through the light collector, said light exiting through a
top portion of the light collector, and

an image panel, wherein said light collector is used to direct light toward the image panel.

53. (CURRENTLY AMENDED) A The light collection system of claim 46 comprising:

a light collector, said light collector having a plurality of surfaces and a truncated pyramid shape,
and
a plurality of light sources positioned to direct light toward said light collector, wherein said
plurality of surfaces direct light from said plurality of light sources in a direction towards a target area and
one of said plurality of light sources directs light through the light collector, said light exiting through a
top portion of the light collector, and

wherein:

a first of said surfaces reflects light from a first of said light sources,
a second of said surfaces reflects light from a second of said light sources,
a third of said surfaces reflects light from a third of said light sources, and
a fourth of said surfaces reflects light from a fourth of said light sources.